

CLAIMS

- Sub A2
1. A process for manufacture of a dry enzyme containing mixer granulation granule comprising the step of adding a particulate component to the mixer granulation process, wherein the particulate component constitutes less than 75 parts of the finished granule and the particles of the particulate component have an mean size of more than 40 μm in its longest dimension.
 2. The process of claim 1, wherein 80% w/w of particles of the particulate component have a mean size within plus or minus 40% of the mean size of the particles.
 3. The process of claim 1 wherein particles of the particulate component have a SPAN value of less than about 2.5.
 4. The process of claim 1, wherein the particulate component is an inorganic compound selected from salts, minerals, clays and mixtures thereof.
 5. The process of claim 4 wherein the salt is selected from alkali- and earth alkali salts of phosphate, sulphate, chloride and carbonate.
 6. The process of claim 4 wherein the mineral is selected from talcs, zeolites, and silicates.
 7. The process of claim 4 wherein the clay is selected from kaolin and bentonite.
 8. The process of claim 1, wherein the particulate component is organic.

9. The process of claim 8, wherein the particulate component is a vegetable flour.

10. The process of claim 9, wherein the vegetable is a cereal
5 grain, a legume, a fruit or a nut or a combination thereof.

11. The process of claim 10, wherein the cereal grain is selected from wheat, rye, barley, oats, rice, maize or sorghum, preferable wheat.

12. The process of claims 8-11, wherein the organic flour has been treated with dry superheated steam.

13. The process of any preceding claim, wherein the granule further contains one or more granulating agents selected from fiber materials, binders, fillers, liquid agents, enzyme stabilizers, suspension agents, crosslinking agents, mediators and/or solvents.

14. The process of any preceding claim, wherein the enzyme is selected from oxidoreductases, EC 1.-.-.-, transferases, EC 2.-.-.-, hydrolases, EC 3.-.-.-, lyases, EC 4.-.-.-, isomerases, EC 5.-.-.- and ligases, EC 6.-.-.-.

15. The process of any preceding claim, wherein the mixer granulation process is a high shear mixing process.

16. The process of any preceding claim, further comprising a step of coating the granule.

17. Granules obtainable from the process of claims 1-16.

18. Granules of claim 17, wherein the SPAN value of the granules is less than about 2.5.

19. ~~Granules of claim 17 having a mean size below 480 μ m~~

20. A composition comprising the granules of claims 17-19.

5 21. The composition of claim 20, characterized by being a
detergent composition further comprising a surfactant.

22. The detergent composition of claim 21 selected from dry compositions and liquid compositions, preferably containing less than 10 % w/w of water.

23. The composition of claim 20, characterized by being a feed composition.

15 24. The composition of claim 20, characterized by being a
bakers flour composition.

25. A method for treatment of an object comprising contacting
the object to be treated with an aqueous solution of the
20 composition of claim 20.

26. The method of claim 25, characterized by being a cleaning method wherein the composition is a detergent composition and the object is a cellulose containing fabric.

25

27. The method of claim 25, characterized by being a desizing method and the object is a cellulose containing fabric.

28. The method of claim 25, characterized by being a bleaching
30 or coloring method and the object is a cellulose containing
fabric.

29. A method of preparing a dough comprising the step of
contacting the bakers flour composition of claim 24 with an
35 aqueous liquid.

30. An enzyme containing granule comprising at least two particles of a particulate component which have a mean size of more than 40 μm in its longest dimension.

5

31. The granule of claim 30, wherein the mean size of the particulate component in its longest dimension is less than half the mean size of the finished granule in its longest diameter.

10

32. The granule of claim 30 comprising 3-15 particles of the particulate component.

add B3

002020-0821960